SCOPE OF THE CLAIMS

1. A stator manufacturing device comprising a winding unit for forming a winding coil consisting of a plurality of unipolar coils formed by winding wire, an insertion unit for receiving the winding coil from the winding unit and inserting the winding coil into a stator core, a shaping unit for shaping an outline of the winding coil that has been inserted into the stator core, and a transfer unit that is movable towards the insertion unit and the shaping unit, characterized in that, in a state of holding the stator core, the transfer unit, by relatively moving to the insertion unit, moves the winding coil into a position for insertion into the stator core, and, by relatively moving to the shaping unit, forms an outline of the winding coil.

2. A stator manufacturing device according to claim 1, wherein when the winding coil is moved into a position for insertion into the stator core, the transfer unit , in a state of holding the stator core, approaches the insertion unit in a state where the insertion unit is holding the winding coil.

3. A stator manufacturing device according to claim 1 or 2, wherein, in a state of holding the stator core, the transfer unit approaches the shaping unit at a time when the outline of the winding coil is being shaped.

4. A stator manufacturing device according to any one of claim 1 to 3, wherein the transfer unit includes a holding portion for holding the stator core and a swing arm for rotating the holding portion relative to a swing center axis, and the insertion unit and the shaping unit are provided so as to face one another on a swing locus of the holding portion.

5. A stator manufacturing device according to any one of claim 1 to 4, wherein the winding unit includes a plurality of coil winding bobbins each for forming a unipolar coil by winding wire, and each movably provided on a base holder, one of the plurality of coil winding bobbins made to protrude away from the remaining coil winding bobbins, and the entire winding unit rotated relative to the protruding coil winding bobbin so that each unipolar coil is in turn formed.